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Permit No. ST-7285
Issuance Date: August 4, 2006
Effective Date: August 4, 2006
Expiration Date: August 4, 2011

STATE WASTE DISCHARGE PERMIT NUMBER ST-7285

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office
3190 – 160th Avenue SE
Bellevue, WA 98008

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

HANNEGAN PROPERTIES LLC
6069 Hannegan Road
Bellingham, WA 98226

to discharge wastewater in accordance with the Special and General Conditions which follow.

Facility Location:

6069 Hannegan Road
Bellingham, WA 98226
Whatcom County

Industry Type:

Seafood Processing

SIC Code:

2091-2092

Discharge Location:

Legal Description :

NE ¼ of NE ½, Section 20, Range 3E,
Township 39N W.M.

Latitude: 48° 51' 40" N

Longitude: 122° 26' 45" W

Kevin C. Fitzpatrick
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	September 30, 2006
S3.E.	Noncompliance Notification	Within 48 hours of noncompliance, repeat sampling, written report within 30 days	
S4.A.	Compliance Schedule – Land Application Area Survey	1/permit cycle	Survey by November 1, 2006. Report due by December 1, 2006.
S4.B.	Groundwater Monitoring Well Schedule	1/permit cycle	Preliminary Well Design by November 1, 2006. Installation and verification letter by January 1, 2007.
S4.C.	Well Head Survey	1/permit cycle	By December 1, 2006, complete survey. Confirmation letter to Ecology by December 15, 2006.
S5.A.	Operations and Maintenance Manual Updates	Review Annually	Within 30 days of incorporation.
S6.C.	Solid Waste Control Plan Update	As needed	Within 30 days of incorporation.
S7.	Duty to Reapply	1/permit cycle	By February 1, 2011.
S10.	Spill Plan Update	1/permit cycle	By November 1, 2006. Updates within 30 days of incorporation.
S11.	Annual Sprayfield Management Report/Plan	1/year, every year	By January 31 each year.
S2.C.	Soil Monitoring	Twice during permit cycle	To be included in the Sprayfield Management Report submitted in January 2008.

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants or flows more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply treated seafood processing wastewater to land via spray irrigation at agronomic rates, on the following designated irrigation lands:

Approximately 10 acres located north of the city of Bellingham, southwest of the intersection of Hemmi Road and Hannegan Road, and the NE ¼ of the NE ½ of Section 20, T. 39 N, R. 3 E WM.

Total nitrogen and water applied to the irrigation lands (including precipitation) shall not exceed the crop requirements as determined by the Permittee's Irrigation and Crop Management Plan, Condition S11. Discharges shall be subject to the following limitations:

EFFLUENT LIMITATIONS		
Parameter	Average Monthly ^a	Maximum Daily ^b
Flow	(report)	25,000 gpd
Total Nitrogen ^c	TBD	
pH	Daily minimum is equal to or greater than 6.0 and the daily maximum is less than or equal to 9.0.	
GROUNDWATER ENFORCEMENT LIMITATIONS		
	Discharges shall be subject to the following limitations. Two consecutive exceedances of an enforcement limit for the same parameter at the same well will constitute a violation.	
Nitrate	10 mg/L	
Total Dissolved Solids	500 mg/L	
Chloride	250 mg/L	
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month. TBD means “to be determined.” These field specific limits will be evaluated and determined annually, based on information provided in the Annual Irrigation and Crop Management Plan.		
^b The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant or flow measured during a calendar day.		
^c Sum of organic nitrogen, ammonia, nitrite, and nitrate.		

The application rate shall be based on the annual evaluation of the upgraded Sprayfield Management Plan. The maximum discharge volume was determined from the Hydrogeologic Site Assessment Report. Waste water shall be evenly distributed throughout the ten-acre application field, excluding the designated buffer zone adjacent to the roadside ditches. The Permittee must reduce the volume of this discharge when necessary to prevent overloading the soil assimilative capacity, ponding, or saturated soil conditions.

Evapotranspiration is the greatest during the day, therefore daytime application of wastewater is encouraged.

There shall be no land application of water or wastewater during the months of December, January, and February, regardless of field and/or soil conditions. The application rate during the remaining months shall be based on the groundwater levels and soil conditions.

There shall be no land application following a significant rainfall, defined as 0.5 inches in a 24-hour period.

S2. MONITORING REQUIREMENTS

A. Wastewater Monitoring, Outfall #004

The sampling point for the treated wastewater will be at the outlet of the storage lagoon, prior to land application. This will be designated as outfall #004 on the DMR form.

The Permittee shall monitor the waste water according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type	Methods
Flow	gpd	Daily	Measured	Recorded
BOD ₅	mg/L	Monthly	Grab	EPA 405.1
TSS	mg/L	Monthly	Grab	EPA 160.2
pH	standard units	Monthly	Grab	EPA 150.1
TKN (as N)	mg/L	Monthly	Grab	EPA 351.2 or .3
NO ₂ .NO ₃ (as N)	mg/L	Monthly	Grab	EPA 353.2
Chloride	mg/L	Monthly	Grab	EPA 330.0
Conductivity	mg/L	Monthly	Grab	EPA 120.1

B. Groundwater Monitoring

Beginning on the issuance date of this permit and lasting until January 1, 2007, the sampling points for ground water will be the existing monitoring wells No. MW-2 and No. MW-3. (MW-3 is the upgradient well).

Beginning on January 1, 2007, the groundwater sampling points shall be MW-2, MW-3, and the five (5) new monitoring wells. MW-2 will be sampled only for groundwater level beginning January 1, 2007.

The Permittee shall monitor the ground water according to the following schedule:

Parameter	Units	Well No. ¹ August 1, 2006- January 1, 2007	Well No. ² January 1, 2007- June 30, 2011	Sampling Frequency	Sample Type
pH	Standard Units	2,3	3,5	Monthly	Grab
Conductivity	µmho/cm	2,3	3,5	Monthly	Grab
Water Level	Feet	2,3	1,2,3,4,5,6,7, 8	Monthly	Measurement
Chloride	mg/L	2,3	3,4,5	Monthly	Grab
Total Dissolved Solids	mg/L	2,3	3,5	Monthly	Grab
NO ₂ -NO ₃ (as N)	mg/L	2,3	3,5,6,7	Monthly	Grab
¹ Monitoring wells MW-2 and MW-3 shall be monitored until January 1, 2007. Beginning on January 1, 2007, groundwater level monitoring shall be required at the five new monitoring wells (designated MW-5, 6, 7, 8, 9) in addition to MW-2 for depth to groundwater. After January 1, 2007, MW-2 shall be sampled only for water level. MW-3 plus 3 of the 5 new wells (one on the west side and two on the north side) shall be sampled for the listed groundwater quality parameters.					
² Beginning on January 1, 2007, MW-1 and MW-2 shall only be monitored for ground water level. MW-3 plus the 5 new monitoring wells will be monitored for the indicated parameters.					

C. Soil Monitoring

The Permittee shall perform soil monitoring on the irrigation site soils twice during the five-year term of the permit. One set of samples shall be conducted during the spring of 2007 and one set of samples during the fall of 2007. These sampling sites shall be located so as to be representative of the irrigation site or as represented in the Irrigation and Crop Management Plan. The sampling sites shall remain in the same vicinity for the two sets of samples. Testing at each sampling site shall be done on one-foot soil increments.

Results shall be submitted by January 31, 2008, with the Sprayfield Management Plan.

Composite samples will be for four depths [0-12"; 12-24"; 24-36"; 36-48"] (or until auger refusal) and will be from a minimum of four (4) cores. Samples will be collected during the spring of 2007 and fall of 2007.

The Permittee shall monitor the soils according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Cation exchange capacity	meq/100g	App. field	
Organic matter	%	"	1,2,4
Moisture content	%	"	
TKN (as N)	mg/Kg	"	1,2
NO ₂ -NO ₃ (as N)	mg/Kg	"	1-4
Chloride	mg/Kg	"	1-4
Conductivity	mmhos/cm	"	1-4
pH	standard pH units	"	
¹ Depth (inches) vs. Depth increment (ft.) for composite samples: #1: 0-12"; #2: 12-24"; #3: 24-36"; #4: 36-48"			

D. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets, and maintenance-related conditions affecting effluent quality.

Groundwater sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology, 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981.

E. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three (3) years.

F. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, chapter 173-50 WAC. Flow, temperature, settleable solids, turbidity, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited.

S3. REPORTING AND RECORD KEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted **monthly**. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 30th day of the month following the completed reporting period, unless otherwise specified in this permit. The report(s) shall be sent to the Department of Ecology, Northwest Regional Office, 3190 – 160th Avenue SE, Bellevue, WA 98008-5452.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2 of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem.
2. Immediately repeat sampling (within 48 hours) and analysis of any violation and submit the results to the Department within thirty (30) days after becoming aware of the violation.
3. Immediately notify the Department of the failure to comply*.
4. Submit a detailed, written report to the Department within thirty (30) days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

* Immediately notify means within 24 hours for any spill, overflow, bypass from any portion of the collection or treatment system or any condition that endangers human health or the environment. Immediately means thirty (30) days for any other condition.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

F. Maintaining a Copy of This Permit

A copy of this permit shall be kept at the facility and be made available upon request to Ecology inspectors.

S4. COMPLIANCE SCHEDULE

The Permittee shall achieve compliance with the following schedule:

A. Land Application Area Survey

No later than November 1, 2006, the Permittee is required to have the land application field professionally surveyed to confirm actual field size and application area. A report shall be sent to the Department by December 1, 2006, showing area of application field, including buffers, ditches, and irrigation layout.

B. Groundwater Monitoring Well Schedule

No later than November 1, 2006, the Permittee shall submit to the Department for approval, a Preliminary Well Design Report, for five new groundwater monitoring wells/Peizometers.

The purpose of all five wells shall be for determining groundwater level. Additionally, three of the five new monitoring wells shall be used for ground water quality monitoring. All of the new wells shall be centrally located between the sprayfield and any existing drainage ditch or other surface water receptor. All wells must be constructed in accordance with chapter 173-160 WAC, subpart 1 and 3 (Minimum Standards for Construction and Maintenance of Wells).

The new wells shall be located as follows:

1. One well (#6) on the east edge of the application field.
2. One well (#8) on the west edge of the application field.
3. One well (#7) on the south side of the application field.
4. Two wells (#4 & #5) on the north side of the 10-acre application field.

No later than January 1, 2007, the Permittee shall install the five additional groundwater monitoring wells/Peizometers. The Permittee shall notify the Department by letter of well/Peizometer installation completion.

C. Well Head Survey

No later than December 1, 2006, the Permittee shall complete the professional survey of all of the well heads (existing and new) referenced to an established National Geodetic Datum (USGS Datum). A Well Head Survey Report shall be submitted to the Department by December 15, 2006.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Operations and Maintenance Manual

An Operations and Maintenance (O&M) Manual (treatment system operating plan) was prepared and submitted to the Department during the last permit cycle. The O&M Manual shall be reviewed by the Permittee at least annually. All manual changes or updates shall be submitted to the Department for review within thirty (30) days of incorporation into the manual. The approved Operation and Maintenance Manual shall be kept available at the permitted facility.

The Operation and Maintenance Manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

In addition to the requirements of WAC 173-240-150(1) and (2), the manual shall include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure.
2. Irrigation system operational controls and procedures.
3. Plant maintenance procedures, including a description of any regularly scheduled maintenance or repair activities on the permitted system which would affect the volume or character of the wastes discharged.
4. A list of any maintenance-related substances, such as cleaners, degreasers, solvents (include quantities and chemical compositions) that will be discharged; and, a plan for monitoring and treating/controlling the discharge of maintenance-related materials.
5. Protocols and procedures for groundwater monitoring network sampling and testing.

B. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the treatment system.

The bypass of wastes from any portion of the treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. *Unavoidable Bypass*—Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit, the Permittee shall notify the Department in accordance with Condition S3.E "Noncompliance Notification."

2. *Anticipated Bypass That has the Potential to Violate Permit Limits or Conditions*—Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least thirty (30) days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
 - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. *Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions*—Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

C. Irrigation Land Application

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.
2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.

3. The waste water shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - b. Would cause long-term anaerobic conditions in the soil.
 - c. Would cause ponding of wastewater and produce objectionable odors or support insects or vectors.
 - d. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the waste water, partial decomposition products, or soil constituents that would alter groundwater quality in amounts that would affect current and future beneficial uses.
4. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of the permit cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.
5. The land application sprayfield shall be maintained in such a manner as to promote efficient crop growth, prevent surface runoff, ponding and odiferous conditions. Land application of wastewater shall be applied at agronomic rates as approved by the Department.
6. No irrigation shall occur during freezing weather or when the ground is frozen, snow-covered, saturated, or during conditions of standing water.
7. Compaction should be avoided on land application sites.
8. Wastewater application to anaerobic soils shall be avoided. The Permittee shall be responsible for field monitoring.

D. Best Management Practices/Pollution Prevention Program

1. All processing wastewater shall be contained and collected in the treatment system.
2. The Permittee shall provide containment to prevent contaminated storm water or floor washwater from reaching the ditches or waters of the state. The collected stormwater or floor washwater shall be piped or channeled to the solid screening sump prior to pumping to the lagoon and/or land application field.
3. The treatment unit shall be inspected daily, and maintained according to the Treatment System Operating Plan.

S6. SOLID WASTE DISPOSAL**A. Solid Waste Handling**

The Permittee shall handle and dispose of all solid waste material in such a manner as to prevent its entry into state ground or surface water.

B. Leachate

The Permittee shall not allow leachate from its solid waste material to enter state waters without providing all known, available and reasonable methods of treatment, nor allow such leachate to cause violations of the State Surface Water Quality Standards, chapter 173-201A WAC, or the State Ground Water Quality Standards, chapter 173-200 WAC. The Permittee shall apply for a permit or permit modification as may be required for such discharges to state ground or surface waters.

C. Solid Waste Control Plan

The Permittee shall submit all proposed revisions or modifications to the Solid Waste Control Plan to the Department within thirty (30) days of adoption. The Permittee shall comply with any plan modifications.

S7. DUTY TO REAPPLY

The Permittee must apply for permit renewal by February 1, 2011.

S8. FACILITY LOADING**Design Criteria**

Flows or waste loadings for the DAFT system and storage lagoon facility shall not exceed the approved design criteria (Ocean Star Phase I and Phase II, Engineering Report, August 14 and August 31, 1995, amended October 4, 1995).

S9. NON-ROUTINE AND UNANTICIPATED DISCHARGES

Beginning on the effective date of this permit, the Permittee may discharge non-routine wastewater on a case-by-case basis if approved by the Department. Prior to any such discharge, the Permittee shall contact the Department and **at a minimum** provide the following information:

1. The nature of the activity that is generating the discharge.
2. Any alternatives to the discharge, such as reuse, storage, or recycling of the water.
3. The total volume of water expected to be discharged.

4. The results of the chemical analysis of the water. The water shall be analyzed for all constituents limited for the Permittee's discharge. The analysis shall also include hardness, any metals that are limited by water quality standards, and any other parameter deemed necessary by the Department. All discharges must comply with the effluent limitations as established in Condition S1 of this permit, water quality standards, and any other limitations imposed by the Department.
5. The date of proposed discharge and the rate at which the water will be discharged, in gallons per minute.

The discharge cannot proceed until the Department has reviewed the information provided and has authorized the discharge. Authorization from the Department will be by letter to the Permittee or by an administrative order.

S10. SPILL CONTROL PLAN

The Permittee shall by November 1, 2006, submit to the Department an update to the existing Spill Control Plan, for the prevention, containment, and control of spills or unplanned releases. The Permittee shall review the plan at least annually and update the Spill Control Plan as needed. Changes to the plan shall be sent to the Department within thirty (30) days of adoption. The plan and any supplements shall be followed throughout the term of the permit. The updated Spill Control Plan shall include the following:

- A description of operator training to implement the plan.
- A description of the reporting system which will be used to alert responsible managers and legal authorities in the event of a spill.
- A description of preventive measures and facilities (including an overall facility plot showing drainage patterns) which prevent, contain, or treat spills of these materials.
- A list of all oil and petroleum products, materials, which when spilled, or otherwise released into the environment, are designated dangerous waste (DW) or extremely hazardous waste (EHW) by the procedures set forth in WAC 173-303-070, or other materials which may become pollutants or cause pollution upon reaching state's waters.
- Plans and manuals required by 40 CFR Part 112, contingency plans required by chapter 173-303 WAC, or other plans required by other agencies which meet the intent of this section may be submitted.

S11. SPRAYFIELD MANAGEMENT REPORT

A Sprayfield Management Report (including an Irrigation and Crop Management Plan) shall be submitted annually by January 31, for Department review. The plan shall generally conform to *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. The report shall be prepared using the data generated during the previous calendar year. The plan must be prepared by a soil scientist. At a minimum, the plan shall include the following elements:

A. Annual Summary of Farm Operations for Previous Year

This summary shall include:

1. For each crop grown, the total acreage and quantity harvested.
2. Calculated balances for nutrients, salts, TDS, or other design-limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nutrients, salts, TDS, or other design-limiting parameters, and contributions from commercial fertilizers applied.
3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile outside the normal growing season, and salt leaching requirements.
4. Calculate average loading of BOD per acre per day or week.
5. A discussion of soil infiltration and water-holding capacity to prevent runoff.

B. Cropping Schedule for Upcoming Year

This schedule shall include:

1. Crop Management. The proposed acreage for each crop, cultivation and harvesting requirements, expected crop yields, and methods for establishing a crop, and proposed schedule for herbicide, pesticide, and fertilizer application.
2. Irrigation Management. The frequency and timing of wastewater and supplemental irrigation water application (including harvest and non-harvest periods), and recommended rest cycles for wastewater application where organic or hydraulic loading is a concern.

C. Soil Analysis Data

The land application field shall be sampled during the spring of 2007 and again during late fall of 2007. The data shall be summarized and submitted with the Annual Sprayfield Management Plan due by January 31, 2008.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative, only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2, above, is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or private for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least sixty (60) days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least one hundred eighty (180) days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

- A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;
- B. A copy of the permit is provided to the new owner; and
- C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to Section A, above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G8. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under chapter 173-224 WAC are not paid.

G9. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.